

IN THE CLAIMS:

1-10. (canceled)

11. (currently amended) A multi-focal contact lens wherein the lens is manufactured at least partially from a responsive polymer gel capable of continuous changes in shape and ~~wherein said responsive polymer gel is not a dual shape memory polymer.~~

12. (original) A multi-focal contact lens according to Claim 11 wherein the responsive polymer gel changes shape and/or refractive index.

13. (original) A multi-focal contact lens according to Claim 11 wherein the responsive polymer gel responds to the application of stimulus.

14. (original) A multi-focal contact lens according to Claim 13 wherein the stimulus is an electric field.

15. (original) A multi-focal contact lens according to Claim 13 wherein the stimulus is a magnetic field.

16. (original) A multi-focal contact lens according to Claim 13 wherein the stimulus is produced by means embedded in the contact lens itself.

17. (original) A multi-focal contact lens according to Claim 16 wherein the means of providing the stimulus is a nano or micro chip.

18. (currently amended) A multi-focal contact lens ~~according to Claim 17~~ wherein:

the lens is manufactured at least partially from a responsive polymer gel that responds to application of stimulus produced by a nano or micro chip embedded in the contact lens itself; and

the chip monitors ~~the~~ eye movement such that a change in eye movement causes the chip to emit the stimulus.

19. (currently amended) A multi-focal contact lens ~~according to Claim 17~~ wherein;

the lens is manufactured at least partially from a responsive polymer gel that responds to application of stimulus produced by a nano or micro chip embedded in the contact lens itself; and

the chip monitors inter-pupillary distance and emits ~~[[a]]~~ the stimulus when ~~this inter-pupillary distance~~ changes.

20. (currently amended) A multi-focal contact lens ~~according to Claim 17~~ wherein;

the lens is manufactured at least partially from a responsive polymer gel that responds to application of stimulus produced by a nano or micro chip embedded in the contact lens itself; and

the chip monitors ~~the~~ a distance between ~~the~~ right and left contact lenses and emits ~~[[a]]~~ the stimulus when ~~this~~ the distance changes.

21. (new) A multi-focal contact lens wherein the lens is manufactured at least partially from a responsive polymer gel, said lens capable of changes in shape with stimulus during use wherein said at least one stimulus is selected from the group consisting of temperature, pH, ionic strength, light, electric field, magnetic field, shear forces, and a chemical trigger.

22. (new) A multi-focal contact lens wherein the lens is manufactured at least partially from a responsive polymer gel capable of changing shape over time.